

AGENDA: October 22, 2002

4.8

CATEGORY: Consent

DEPT.: Public Works

TITLE: City-Wide Traffic Model Update,
Project 00-45—Authorize Standard
Engineering Services Contract

RECOMMENDATION

Authorize the City Manager to execute a standard engineering services contract with Dowling Associates, Inc. of Oakland to prepare a City-wide traffic model.

FISCAL IMPACT

City-Wide Traffic Model Update, Project 00-45, is funded in the 1999-2000 Capital Improvement Program (CIP) with a total budget of \$75,000 from the CIP Reserve Fund. The project will provide the City with an updated traffic model, replacing the existing 1990 City-wide traffic model.

BACKGROUND AND ANALYSIS

In 1990, DKS Associates of Oakland conducted a City-wide traffic study and developed a City-wide traffic model to forecast traffic impacts caused by land use changes from new developments and redevelopments inside and outside the City. City staff and consultants used this traffic model to forecast the effects of widening Evelyn Avenue, implementing the S-curve along Bush Street between Evelyn Avenue and Villa Street, reinstating the left turns on San Antonio Road at California Street, redevelopment of San Antonio Shopping Center and many other projects.

Over the last 12 years, traffic modeling software has become more sophisticated and user-friendly. The new traffic model will have an up-to-date data base and allow staff to obtain traffic projections more quickly. The consultant will update the roadway system and land use in the current traffic model to import into the new traffic model software. The consultant will also run the existing traffic model and compare the traffic projections against current traffic volumes to determine the effectiveness of the model and identify where adjustments are necessary for the new model. The new traffic model will be validated against existing traffic volumes to establish the model's ability to simulate known conditions before it is used as a forecasting tool and will be compatible with the Congestion Management Agency's (CMA) County-wide traffic model.

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Three consulting traffic/transportation engineering firms submitted proposals for this project. Staff reviewed the proposals and determined Dowling Associates, Inc. is the most qualified for the project because of their level of experience with similar projects and understanding of the proposed scope of services.

The estimated cost for this project is \$73,956, which is within the available budget.

PUBLIC NOTICING—Agenda posting.

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DB/6/CAM
953-10-22-02M-E-1 ^

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APWD—Ko, TE, STE, TPM, F/c